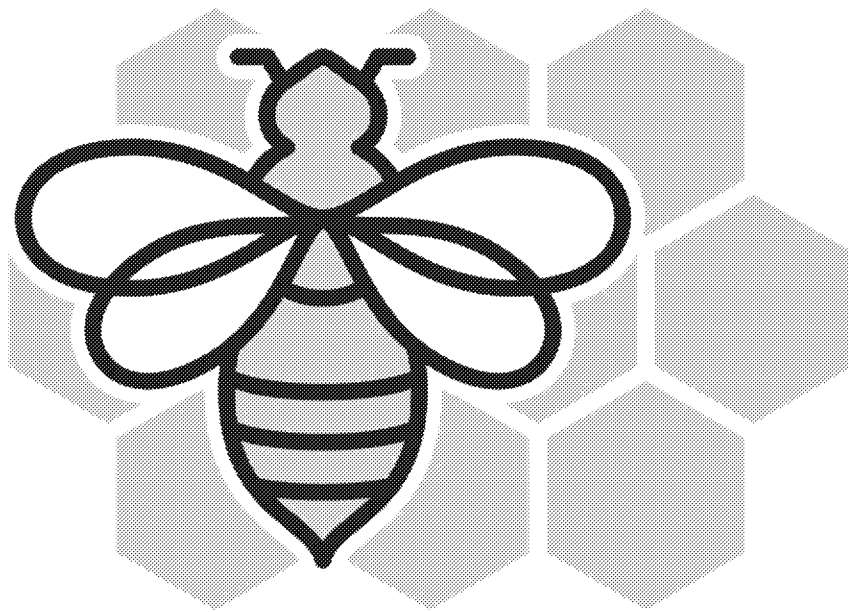


HONEY BEE HEALTH COALITION

April 17-18, 2019
Louisville, Kentucky



**HONEY BEE
HEALTH
COALITION**



April 2019

The Honey Bee Health Coalition has continued its hard work in 2019. We've been busy on a variety of efforts to address the multiple factors affecting honey bee health, including crop pest management, forage and nutrition, and hive management. We've reached several significant milestones already in 2019:

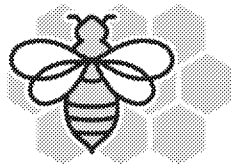
- Through the partnership efforts of the U.S. Canola Council and National Corn Growers Association, respectively, launched the **canola and corn best management practices** for crop protection to protect pollinator health.
- Through the partnership efforts of National Pesticide Safety Education Center, delivered the **crop pest advisor education training** presentation at several major conferences this winter.
- Launched **Best Management Practices for Bee Health: A Guide for Beekeepers**.
- Launched **Varroa Management Decision Tool**.
- Coordinated presentations of winners of the **Bee Nutrition Challenge**.
- Conducted **outreach to the leaders of the U.S. Department of Agriculture Natural Resource Conservation Service and Farm Service Agency** – resulting in a meeting scheduled for May 2019.
- Launched the third year of the **Bee Integrated Demonstration Project** showcasing beekeeper and grower best practices in forage, crop pest control, hive management, and collaboration.
- Conducted **beekeeper and farmer outreach** at winter meetings (American Honey Producers Association, American Beekeeping Federation, American Bee Research Council, Apiary Inspectors of America, and Commodity Classic)

We look forward to our ongoing work in 2019 and in finding ways to work with members to both develop new tools and resources and disseminate existing ones.

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Healthy Bees, Healthy People, Healthy Planet.



HONEY BEE HEALTH COALITION

Coalition Member Meeting
April 17-18, 2019 | Louisville, Kentucky

Agenda

Honey Bee Health Coalition Mission Statement

The mission of the Honey Bee Health Coalition is to collaboratively implement solutions that will help to achieve a healthy population of honey bees while also supporting healthy populations of native and managed pollinators in the context of productive agricultural systems and thriving ecosystems.

Meeting Purpose: Advance Coalition dialogue and action across its priority areas with crop pesticide discussions elevated to the plenary session.

Meeting Objectives:

- Shared learning on topics in hive management and crop pest control (April 17)
- Advance the priority strategies and initiatives currently underway in all working groups – forage, nutrition, crop pest management, hive management, and the Bee Integrated Demonstration Project (April 17)
- Tour a farm with corn fields and orchards, better understand the corn planting process, and discuss maintaining productive agriculture and healthy bees in the same landscape (April 18)

Meeting Schedule (*all times are approximate and are Eastern Standard Time*):

Day 1: April 17, 2019 – Frazier History Museum - 829 W Main St, Louisville, KY, 4th Floor Loft

6:00 AM	Breakfast available at Galt Hotel (140 N 4th St, Louisville, KY)
8:00 AM	Meet in lobby of Galt Hotel to walk to Frazier History Museum (10-minute/0.5-mile walk). Feel free to take a taxi or rideshare.
8:30 AM	Welcome and introductions <ul style="list-style-type: none">• Introductions, overview of agenda and ground rules
8:45 AM	Welcome to Kentucky – <i>Tammy Horn Potter, Kentucky State Apiarist</i>
9:00 AM	Presentations on Queen Breeding: <ul style="list-style-type: none">• Selecting for Behavioral Resistance to Varroa Destructor -- <i>Krispn Given, Apiculture Specialist, Purdue University Department of Entomology</i>• Breeding for improved varroa resistance to support honey bee health and crop pollination services -- <i>Danielle Downey, Executive Director, Project Apis M</i>
10:15 AM	Break

10:30 AM	Observations from the apiary <ul style="list-style-type: none"> • Updates on the 2018/2019 season, <i>Coalition beekeepers</i>
10:45 AM	Working Group updates and discussion in plenary <ul style="list-style-type: none"> • Hive Management Working Group • Crop Pest Management • Forage and Nutrition • Bee Integrated Demonstration project • Outreach and Communications
12:00 PM	Lunch
12:45 PM	Guest presentation and discussion on honey bees, interactions with field crops, and dicamba <ul style="list-style-type: none"> • Pollen foraging by honey bees in an agricultural landscape - <i>Jon Zawislak, Apiculture Instructor, University of Arkansas Cooperative Extension Service</i> • Overview of dicamba pollinator testing and assessment and best practices for Applicators - <i>Steven L. Levine, Senior Science Fellow, Environmental Assessment Strategy Lead & Ty Witten, Director, Crop Protection Strategy, Bayer CropScience</i>
2:00 PM	Break
2:15 PM	Opportunities for Coalition member engagement, support, and commitment -- Whether through a Coalition- or member-offered opportunity or initiative, how can members further elevate and amplify support for bee health? <ul style="list-style-type: none"> • <i>Brainstorming</i> – members to further brainstorm specific actions or commitments that they and/or others could take • <i>Matchmaking</i> – members to identify at least one brainstormed action that they can individually commit to take this year; if an idea rises to level of working group collaborative initiative, identify next steps to implement
3:30 PM	Break/sector breakout <ul style="list-style-type: none"> • Steering Committee selection • Reflections on Coalition progress and how your sector can amplify impact
4:00 PM	Coalition reflections for the future <ul style="list-style-type: none"> • Reflections from sector breakouts • Cross-sector dialogue on evolution of the Coalition in 2019 and beyond
5:00 PM	Coalition reception, optional bourbon tasting, and Kentucky Bourbon Trail museum tour (Order of the Writ Speakeasy, 4th floor)
6:30 PM	Adjourn – dinner on your own

Day 2: April 18, 2019 – Field Tour

6:00 AM	Breakfast available at Galt Hotel
8:15 AM	Meet in the lobby of Galt Hotel (140 N 4th St, Louisville, KY) to board bus
8:30 AM	Bus departs for field tour
9:15 AM	Tour beekeeping and corn operations at Hornback Farm (6102 Cropper Rd., Shelbyville, KY 40065)
11:00 AM	Tour apple operations at neighboring Mulberry Orchard (1330 Mulberry Pike, Shelbyville, KY 40065)
12:00 PM	Lunch at Mulberry Orchard
12:30 PM	Bus departs for Louisville International Airport
1:30 PM	Bus drops off at Louisville International Airport and then Galt Hotel

Ground Rules

The following ground rules encourage productive and collaborative deliberation. All Coalition members will agree to follow them and give facilitators authority to enforce them:

1. **GOOD FAITH:** Act in good faith in all aspects of group deliberations with the intent to promote joint problem solving, collaboration, and collective, common-ground solutions; honor prior agreements including but not limited to the contents of the Charter.
2. **OWNERSHIP:** Take ownership in the outcomes and the success of the Coalition.
3. **OPENNESS:** Be honest and open in sharing your perspectives; be open to other points of view and to the outcome of discussions.
4. **FOCUS:** Maintain focus on the mission and goals of the Coalition as well meeting objectives; honor agendas.
5. **LISTENING:** Listen to each speaker rather than preparing your response; no interruptions; refrain from use of smart phones and other technologies.
6. **PARTICIPATION:** Participate actively, speak briefly, and agree succinctly. Be mindful and respectful of the presence of multiple backgrounds and areas of expertise and avoid the use of acronyms and technical language from your field.
7. **RESPECT:** Disagree judiciously and without being disagreeable; do not engage in personal attacks; in all contexts, refrain from behavior that denigrates other participants or is disruptive to the work of the group.
8. **PREPAREDNESS AND COMMITMENT:** Prepare for and attend each session; get up to speed if you missed a meeting.
9. **REPRESENTATION AT THE DISCUSSION TABLE:** Participation in this meeting is for members of the Honey Bee Health Coalition. If you are not able to attend as the representative for your member organization or company, you are invited to find a replacement from within your organization. To promote balanced conversation and ensure a manageable group size, we request that participation at the plenary discussion table be limited to one person per member organization; additional attendees from a member organization will be asked to participate as observers during plenary sessions and to coordinate comments through the representative at the table. Breakout sessions will enable broader participation.
10. **CONFIDENTIALITY, COMMUNICATION AND ATTRIBUTION:** Meeting discussions are off the record and not for attribution. Do not make personal attributions outside of meetings, use discretion when characterizing the Coalition to others, and stick to agreed-upon messages and protocols when discussing the Coalition with outside organizations and media.
11. **FACILITATION AND CONFLICT RESOLUTION:** Let the facilitators facilitate; allow them to enforce the ground rules and engage them with any concerns.

Antitrust Statement: Keystone Policy Center and participants in its multi-stakeholder meetings assign the highest priority to full compliance with both the letter and the spirit of the antitrust laws. Given that competitors may be present in this meeting; several topics of conversation should be avoided. In general, the types of discussion that should be avoided are those that may suggest or tend to reflect agreements among competitors as to: price; terms of sale that could impact price; allocation of customers, markets or territories; bid-rigging; and boycotts or joint refusals to do business with others. Keystone Policy Center will conduct this meeting in a manner consistent with anti-trust laws. If at any time during the course of a meeting a participant believes that a sensitive topic under the antitrust laws is being discussed, or is about to be discussed, they will so advise the facilitator who will halt further discussion.

Honey Bee Health Coalition

At-A-Glance Activity Overview and Progress Report – April 2019

Coalition Vision: Healthy Bees, Healthy People, Healthy Planet

Coalition Mission: Collaboratively implement solutions to help achieve a healthy population of honey bees while also supporting healthy populations of native and managed pollinators in the context of productive agricultural systems and thriving ecosystems.

Priority Area	Major Initiatives	Progress
Bee Integrated	Bee Integrated Demonstration Project	
Crop Pest Management	Corn and Canola BMPs	
	Crop pest advisor and applicator training	
	Soybean BMPs	
	Grower-Beekeeper roles flyers	
	MP3 Symposium	
	Incident Reporting Guide	
Forage and Nutrition	Bee Nutrition Challenge prize competition	
	USDA outreach and recommendations	
	Supply chain sustainability engagement	
	Farm Bill recommendations	
	Beekeeper Insights Nutrition Interviews	
	Focus on Forage webpage	
Hive Management	Varroa management guide and resources	
	New varroacide identification – 3 yr FFAR grant	
	Hive health BMPS	
	Hive management resources page	
	Varroa Decision Support Tool	
Communications and Outreach	Website, fact sheet, presentation	
	Conferences, tradeshows, Pollinator Week	
	Media and social media promotion	
	CAST paper	
	Bee Healthy Roadmap	

Achievements Since Prior Report:

- Bee Integrated year 2 complete
- Corn and Canola BMPs launched
- Crop pest advisor module passed to NPSEC to facilitate trainings
- Bee Nutrition Challenge finalist competition; winners provided follow-up presentations
- Hive Health BMPs and varroa decision support tool released
- Presentations and booths at several beekeeper and grower winter conferences
- USDA recommendations submitted regarding federal conservation programs

Upcoming Activities and Deliverables:

- Complete supply chain sustainability engagement presentations - TBD
- Follow-up and outreach with the new crop-specific BMPs
- Release and promote Veterinarian Feed Directive fact sheet
- USDA outreach on forage and nutrition – meeting with NRCS/FSA
- Bee Integrated year 3

Issues, Risks and Mitigation:

- Ensuring that work is communicated and utilized; *need help from members in sharing info about Coalition activities and products and promoting their use*

Financial Update:

- Current 2019 fundraising ~\$246K to cover all expenses except Bee Integrated directs
- Smaller budget than 2018 (approximately 20% less) –driven by lower member funding
- Continuing to identify other possible funders and also plan/prioritize for various funding scenarios



No to little progress/significant issues



Slow progress/minor issues

Page 6



Good Progress/no issues



Complete or Dormant

Honey Bee Health Coalition

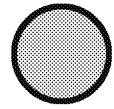
Bee Integrated Demonstration Project Update – April 2019

Goal: Demonstrate how honey bee health can be improved using a portfolio of tools together in the same agricultural landscape to address multiple factors

Staff Leads: Julie Shapiro (Keystone); Mike Smith (CTIC)

Executive Committee: Pete Berthelsen (BBHF), Keri Carstens (Corteva), Bob Sears (EMBA)

Additional Partners: Bee Informed Partnership, USGS, Coalition member committee



Overall Progress

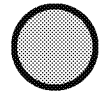
Major Initiatives	Progress	Achievements Since Prior Report	Issues, Risks, Mitigation	Upcoming activities and deliverables
1. Pollinator bee forage improvement		<ul style="list-style-type: none"> Forage transect, hive scale, and pollen protein results reported. Consistently observed more bees in BBHF fields. Minor differences in honey production, pollen protein content. Acceptable (though not 100%) collection of pollen samples. 	<ul style="list-style-type: none"> One farmer overlooked a previous herbicide application which significantly reduced establishment. Set to update BBHF earlier and more frequently on this site. 	<ul style="list-style-type: none"> Organizing habitat site visits for mid-July Pollen ID results from USGS
2. Varroa mite control		<ul style="list-style-type: none"> All 4 sets of varroa counts, colony health observations completed. Small increase in frames of bees in BMP colonies. 	<ul style="list-style-type: none"> Some beekeepers have informally reported challenges with the number of guide-approved treatment options 	<ul style="list-style-type: none"> BIP update with reflections, recommendations
3. Crop pest control		<ul style="list-style-type: none"> Second orientation and crop pest management training completed; attended by 4/6 farmers 	<ul style="list-style-type: none"> Farmer interviews indicate only one made significant adjustments to management of treated seed 	<ul style="list-style-type: none"> Sending participants training resources
4. Job swaps/ Collaboration		<ul style="list-style-type: none"> 5/6 pairs report some additional interaction. Farmers consistently report opportunity to benefit beekeepers as key motivator 	<ul style="list-style-type: none"> Farmers still sometimes unaware of beekeeper plans 	<ul style="list-style-type: none"> Encouraging more formal job swaps, especially by beekeepers
5. Overall project measures		<ul style="list-style-type: none"> Colonies from 5/6 operations successfully tracked Completed farmer year-end interviews. Farmers positive about project; eager for indicators of impacts on their partners' bees; most believe their habitat was beneficial 	<ul style="list-style-type: none"> Missed final BIP observation of one operation—beekeeper's new crew removed hive tags 	<ul style="list-style-type: none"> Conducting beekeeper year-end interviews
6. External outreach and communications		<ul style="list-style-type: none"> August 2018 field tour and follow up communications; Video release Presentations at ESA, ABF, AHPA Outreach at Commodity Classic 	<ul style="list-style-type: none"> Need to further amplify message now that we have more of a story to tell 	<ul style="list-style-type: none"> 2019 communications plan
7. Project funding and scaling		<ul style="list-style-type: none"> Fundraising goal has been met for 6 pairs Grant processes for receiving funds has been smooth; some funds available at project end 	<ul style="list-style-type: none"> Call with Bee Squad to discuss expansion models Possible additional outreach to potential partners? 	

Honey Bee Health Coalition

Crop Pest Management – April 2019

Goal: Control crop pests and safeguard pollinator health

Staff Leads: Matt Mulica (Keystone), Stacey Smith (Keystone)
Working Group Leads: Bob Curtis (Almond Board of California), Caydee Savinelli (Syngenta)



Overall Progress

Major Initiatives	Progress	Achievements Since Prior Report	Issues, Risks, Mitigation	Upcoming activities and deliverables
Crop Pest Advisor and Applicator Training		<ul style="list-style-type: none"> Training module administration passed to Nat'l Pesticide Safety Education Center 	<ul style="list-style-type: none"> Need to make it more action-oriented Need to include crop and regionally-specific info 	<ul style="list-style-type: none"> Upcoming trainings
Corn and canola BMPS		<ul style="list-style-type: none"> Developed, finalized and launched at Commodity Classic 2019 	<ul style="list-style-type: none"> Continue to work on outreach and tracking impact and implementation of suggested practices 	<ul style="list-style-type: none"> Outreach from crop associations
Soybean BMPs		<ul style="list-style-type: none"> Soybean BMP source document completed and brochure developed; launched at Commodity Classic 2018 		<ul style="list-style-type: none"> Continued promotion
Grower-Beekeeper Roles Flyers		<ul style="list-style-type: none"> Updated flyers completed in [Q1 2017] 		
MP3 Symposium		<ul style="list-style-type: none"> Symposium completed in 2016 		
Incident Reporting Guide		<ul style="list-style-type: none"> Guide updated in Q2 2017 		<ul style="list-style-type: none"> Annual review/update to ensure accuracy of contact information



No to little progress/significant issues



Slow progress/minor issues

Page 8



Good Progress/no issues



Complete or Dormant

Honey Bee Health Coalition

Forage and Nutrition – April 2019

Goal: Ensure honey bees have access to a varied and nutritious diet

Staff Leads: Julie Shapiro (Keystone)

Working Group Leads: Keri Carstens (DuPont), Bob Sears (Eastern Missouri Beekeepers Association)



Overall Progress

Major Initiatives	Progress	Recent Achievements	Issues, Risks, Mitigation	Upcoming activities and deliverables
Nutrition Prize Competition		<ul style="list-style-type: none"> 6 finalists selected and competed at American Bee Research Council in 2018 - 4 winners announced with total of \$40K in prizes (01/18) Winners provided follow-up presentations at the 2019 ABRC in Tempe in January 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> May 17th, 2019 presentation by winners to the Forage and Nutrition WG
Supply Chain Sustainability Engagement		<ul style="list-style-type: none"> Presentation complete Fact sheet complete 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> Utilize communications materials to easily include in other sustainability efforts to support pollinator-related programs and metrics
USDA Coordination		<ul style="list-style-type: none"> Letter from Steering Committee to NRCS Chief Lohr and FSA Administrator Fordyce Meeting set for May 6, 2019 		<ul style="list-style-type: none"> May 6 meeting; proposing working group for FSA and NRCS and Coalition members to discuss recommendations in more depth
Beekeeper Insights Nutrition Interviews		<ul style="list-style-type: none"> Non new activities Completed report and promoted in Q2 		
Focus on Forage Webpage		<ul style="list-style-type: none"> Webpage features members' various forage activities 	<ul style="list-style-type: none"> Need member updates 	<ul style="list-style-type: none"> Updates to page will be made when provided to Keystone
Farm Bill Recommendations		<ul style="list-style-type: none"> Meetings with House Ag Committee staff to share Priority principles for Conservation Title that was signed by 25 members (10/17; meetings with Senate staff occurred 8/17) 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> Coalition members agreed at previous meeting to not pursue joint detailed drafting, but individual members may share ideas. When Farm Bill is introduced, committee will reconvene to discuss the pollinator provisions



No to little progress/significant issues



Slow progress/minor issues

Page 9



Good Progress/no issues



Complete or Dormant

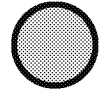
Honey Bee Health Coalition

Hive Management–April 2019

Goal: Put the best available tools, techniques, and technologies in the hands of beekeepers so they can best manage their hives.

Staff Leads: Matt Mulica (Keystone)

Working Group Leads: Jerry Hayes (Monsanto); Samantha Brunner (AIA)



Overall Progress

Major Initiatives	Progress	Achievements Since Prior Report	Issues, Risks, Mitigation	Upcoming activities and deliverables
Hive Health BMPs		<ul style="list-style-type: none"> Launched at AHPA/ABF annual meetings in January 2019 ~2,200 website visits since launch 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> Anticipated release January 2019 Will determine whether an update is needed in Q4 2019
Varroa management guide and resources		<ul style="list-style-type: none"> Reaching approx. 5k Varroa Guide downloads per quarter Marketing postcards updated to include videos and bee club resources 	<ul style="list-style-type: none"> Question of how prescriptive to be regarding beekeepers risk tolerance; working group will discuss in advance of next update 	<ul style="list-style-type: none"> Q2 2019 update
Varroa Decision Support Tool		<ul style="list-style-type: none"> Launched at AHPA/ABF annual meetings in January 2019 ~2,300 website visits since launch 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> Continued outreach and promotion If demand continues, may look to expand capabilities
Hive management resources page		<ul style="list-style-type: none"> Launched Q4 2017 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
Mite-a-Thon and MiteCheck support/promotion		<ul style="list-style-type: none"> Mite-a-Thon promoted Varroa Decision Support Tool being integrated into MiteCheck 	<ul style="list-style-type: none"> Feedback on need to adjust timing in future; will be part of any future conversations 	<ul style="list-style-type: none"> Continued participation is 2019
New varroacide identification		<ul style="list-style-type: none"> Secured \$475K FFAR grant (with matching, total project is \$1.1 million) 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> 3-year project plan



No to little progress/significant issues



Slow progress/minor issues

Page 10



Good Progress/no issues



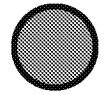
Complete or Dormant

Honey Bee Health Coalition

Outreach, Education, Communication – April 2019

Goal: Enhance awareness, outreach and partnerships to improve honey bee health

Staff Leads: Mike Saccone (Keystone), Matt Mulica (Keystone)
Working Group Leads: Carissa Sauer (Almond Board of California); second lead vacant



Overall Progress

Major Initiatives	Progress	Achievements Since Prior Report	Issues, Risks, Mitigation	Upcoming activities and deliverables
Collateral: Website, fact sheets, presentations, etc.		<ul style="list-style-type: none"> Updated fact sheet, presentation, website 	<ul style="list-style-type: none"> Current website's construction limits ability over long term to update efficiently and effectively 	<ul style="list-style-type: none"> Continued updates as appropriate
Conferences, tradeshows, Pollinator Week		<ul style="list-style-type: none"> Presented at EAS, ESA, Sustainable Ag Summit, AHPA, ABF, Commodity Classic and shared materials for members to use during myriad presentations in 2018 and continuing into 2019 		<ul style="list-style-type: none"> Pollinator week outreach Possible statement in response to BIP annual/winter loss numbers
Newsletter, media and social media promotion		<ul style="list-style-type: none"> Regular newsletters, special edition emails, and content for members to utilize roughly quarterly Social media regularly updated to highlight Coalition and its members 		<ul style="list-style-type: none"> Continued newsletters, social media, press releases, etc. as appropriate
Council on Agriculture Science and Technology (CAST) paper on Bee Health		<ul style="list-style-type: none"> Paper released in July 2017 		
Bee Healthy Roadmap		<ul style="list-style-type: none"> Completed October 2014 	<ul style="list-style-type: none"> May be getting out of date; update only if budget and priority level align 	

Note that calls of the Outreach WG will now be scheduled on an as-needed basis



Tools and Resources Summary

Resources for growers, beekeepers, and more

Available at <http://honeybeehealthcoalition.org> and/or by contacting Keystone

See also: e-newsletters, Twitter (@beehealthorg), and Facebook (beehealthorg)

Crop Pest Management

- Canola Best Management Practices (USCA)
- Corn Best Management Practices (NCGA)
- Soybean Best Management Practices (USB)
- Crop Consultant Education Module (NPSEC)
- The Grower's and Beekeeper's Role Factsheets
- Incident Reporting Guide

Forage and Nutrition

- Recommendations to National and Federal Decision-Makers
- Report: Beekeeper Insights on Honey Bee Nutrition Supplements

Hive Management

- Tools for Varroa Management Guide
- Varroa Videos
- Varroa Bee Club Program (PowerPoint slides/recording)
- Varroa Management Decision Tool
- Best Management Practices for Bee Health: A Guide for Beekeepers
- Federal and State Contacts and Resources
- Hive Management Resources List
- Postcards to promote hive BMPs and varroa resources

Bee Integrated

- Bee Integrated Demonstration Project Fact Sheet
- Bee Integrated Demonstration Project Video

All/Other

- Supply Chain Sustainability Presentation and Factsheet
- CAST Paper on Why Bee Health Matters
- Coalition Fact Sheet, Video, and Briefing Presentation
- The Bee Healthy Roadmap
- The Bee Understanding Project Film



**HONEY BEE HEALTH COALITION
2018/2019 STEERING COMMITTEE**

Pete Berthelsen

Bee and Butterfly Habitat Fund

Keri Carstens

Corteva Agriscience

Danielle Downey

Project Apis m.

Linda Dudenhoeffer

Bayer CropScience

David Epstein (*ex officio*)

USDA Office of Pest Management Policy

Nathan Fields

National Corn Growers Association

George Hansen

American Beekeeping Federation

Chris Hiatt

American Honey Producers Association

Tammy Potter

Eastern Apicultural Society of North America, Inc.

Caydee Savinelli

Syngenta

Rod Scarlett (*ex officio*)

Canada Bee Health Roundtable

Robert Sears

Eastern Missouri Beekeepers Association

Ed Spevak

Saint Louis Zoo, WildCare Institute, Center for Native Pollinator Conservation

Thomas Steeger (*ex officio*)

U.S. Environmental Protection Agency

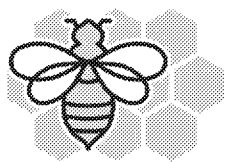
Richard Waycott

Almond Board of California



HONEY BEE HEALTH COALITION
MEMBER ORGANIZATIONS AND AGENCIES
APRIL 2019

Agricultural Retailers Association	Levin Family Foundation/Propolis Projects
Apiary Inspectors of America	National Association of State Departments of Agriculture
Almond Board of California	National Corn Growers Association
American Beekeeping Federation	National Association of Wheat Growers
American Honey Producers Association	National Honey Board
American Seed Trade Association	National Pesticide Safety Education Center
Apis Works	NOD Apiary Products
BASF	Pepsi Company
Bayer CropScience	Pheasants Forever
The Bee and Butterfly Habitat Fund	Project Apis m.
Browning Honey Company	Saint Louis Zoo, WildCare Institute, Center for Native Pollinator Conservation
Canadian Association of Professional Apiculturists	Syngenta
Canada Bee Health Roundtable (<i>Ex Officio</i>)	United Soybean Board
Canola Council of Canada	University of Maryland Department of Entomology
Conservation Technology Information Center	University of Nebraska – Lincoln
CropLife America	U.S. Apple Association
CropLife Canada	U.S. Canola Association
Eastern Apicultural Society of North America, Inc.	U.S. Department of Agriculture (<i>Ex Officio</i>)
Eastern Missouri Beekeepers Association	U.S. Environmental Protection Agency (<i>Ex Officio</i>)
FieldWatch Inc	Valent U.S.A. Corporation
Florida Fruit and Vegetable Association	Veto-pharma
The Foundation for the Preservation of Honey Bees	Vita Bee Health
Heartland Apicultural Society	Western Apicultural Society
Hive Tracks	
Kellogg Company	



HONEY BEE HEALTH COALITION

Honey Bee Health Coalition Meeting Attendees Spring 2019		
Dorit	Avni	Bayer
Peter	Berthelsen	The Bee & Butterfly Habitat Fund
Jeff	Birk	BASF
Barbara	Bloetscher	Ohio Department of Agriculture
Dewey	Caron	Western Apicultural Society
Phil	Craft	Veto-pharma
Bob	Curtis	Almond Board of California
Danielle	Downey	Project Apis m.
Linda	Dudenhoeffer	Bayer CropScience
Daniel	Fay	Valent U.S.A. LLC
Nathan	Fields	National Corn Growers Association
Krispn	Given	Purdue University
George	Hansen	American Beekeeping Federation
Jerry	Hayes	Vita Bee Health
Chris	Hiatt	American Honey Producers Association
Alli	Langley	Keystone Policy Center
Karen	Levin	Propolis Projects/Levin Family Foundation
Steven	Levine	Bayer
Dorothey	Morgan	Kentucky Queen Bee Breeders Association
Tammy	Potter	Eastern Apicultural Society
Freddy	Proni	Veto-pharma
Mary	Reed	Texas Apiary Inspection Service
Dan	Schmehl	Bayer CropScience
Bob	Sears	Eastern Missouri Beekeepers Association
Julie	Shapiro	Keystone Policy Center
Mike	Smith	Conservation Technology Information Center
Tom	Smith	National Pesticide Safety Information Center
Burleson	Smith	BASF
Edward	Spevak	Saint Louis Zoo
Tom	Steeger	U.S. Environmental Protection Agency
Richard	Waycott	Almond Board of California
Jackie	Weiss	United Soybean Board
Dwight	Wells	Propolis Projects/Levin Family Foundation
James	Wilkes	Hive Tracks
Ty	Witten	Bayer
Jon	Zawislak	University of Arkansas Cooperative Extension Service